



CIRCUIT BREAKER 400V 6KA, 3-POLE, C, 1A,
D=70MM

Figure similar

Model		
product brand name		SETRON
Product designation		5SY miniature circuit breaker
Design of the product		5SY miniature circuit breakers
General technical data		
Number of poles		3
Number of poles / Note		3P
Tripping characteristic class		C
circuit-breaker / Design		5SY6
Mechanical service life (switching cycles) / typical		20 000
Overvoltage category		3
Voltage		
Insulation voltage		
with multi-phase operation / with AC / Rated value	V	440
Supply voltage		
Supply voltage frequency		
Rated value	Hz	50
Protection class		
Protection class IP		IP20, with connected conductors
Energy limiting class		3
Switching capacity		
Switching capacity current		

- for DC / acc. to IEC 60947-2 / Rated value
- acc. to EN 60898 / Rated value
- acc. to IEC 60947-2 / Rated value

kA	15
kA	6
kA	30

Dissipation

Active power loss

- for rated value of the current / with AC / in hot operating state / per pole

W	1.2
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Electricity

rated current I_n / IEC, DIN/VDE

- at 40 Cel

A	0.94
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Current / with AC

- Rated value

A	1
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Net weight

g	448
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Product details

Product feature

- Touch protection

Yes

Product component

- combined terminal top
- combined terminal bottom

Yes

Yes

Product property

- Properties for main switches in accordance with EN 60204-1
- halogen-free
- sealable
- silicon-free

Yes

Yes

Yes

Yes

Product expansion / can be installed

- supplementary devices

Yes

Product function

Product function

- neutral conductor switching

No

Short circuit

Breaking capacity short-circuit current (I_{cn})

- with AC / acc. to UL 1077 and CSA C22.2 No.235
- for DC / acc. to EN 60898-2

kA	5
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kA	10
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Number

Number of test cycles / for environmental testing / acc. to IEC 60068-2-30

6

Connections

Connectable conductor cross-section / stranded

• minimum	mm ²	0.75
• maximum	mm ²	35
Connectable conductor cross-section		
• solid		
— minimum	mm ²	0.75
— maximum	mm ²	35
• finely stranded / with core end processing		
— minimum	mm ²	0.75
— maximum	mm ²	25
AWG number / as coded connectable conductor cross section		
• minimum		14
• maximum		4
Tightening torque [lbf·in] / with screw-type terminals		
• minimum	lbf·in	22
• maximum	lbf·in	26
Tightening torque / with screw-type terminals		
• minimum	N·m	2.5
• maximum	N·m	3
Position		
• of power supply cord		Any

Mechanical Design

Height	mm	90
Width	mm	54
Depth	mm	76
mounting position		any
Installation depth	mm	70
Number of width units		3
Mounting type		Quick assembly system

Environmental conditions

Influence of the surrounding temperature		Max. 95% humidity
Shock resistance		
• acc. to IEC 60068-2-27		150m/s ² at 11ms half-sine
Vibration resistance		
• acc. to IEC 60068-2-6		50m/s ² at 25 to 150Hz and 60m/s ² at 35Hz (4sec)
Ambient temperature		
• minimum	°C	-25
• maximum	°C	55
• during storage / minimum	°C	-40
• during storage / maximum	°C	75

Certificates

Reference code

- acc. to DIN EN 61346-2

F

General Product Approval



CCC



IMQ



GOST



UL



VDE

[other](#)

General Product Approval

Declaration of Conformity

Test Certificates

Shipping Approval



[KTL](#)



EG-Konf.

[other](#)



Shipping Approval

other



GL



LRS



RINA

[other](#)

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/5SY63017>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/5SY63017/all>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

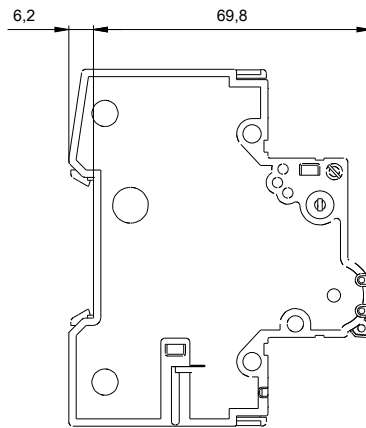
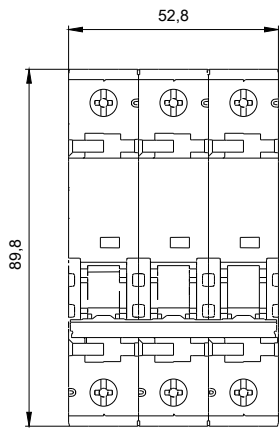
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY63017

CAX-Online-Generator

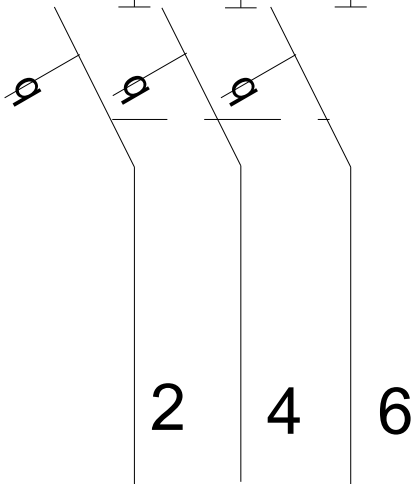
<http://www.siemens.com/cax>

Tender specifications

<http://ausschreibungstexte.siemens.com/tiplv>



X¹ X³ X⁵



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23.02.2015